PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING TRANSMITTAL OP COPY OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (CHAPTER I OF THE PATENT COOPERATION TREATY) To:

49002 PETACH TIKVA ISRAÉL

FENSTER, Paul FENSTER & COMPANY, INTELLECTUAL PROPERTY 2002 LTD. P. O. BOX 10256

(PCT Rule 44bis,1(c))

Date of mailing (day/month/year) 05 January 2006 (05.01.2006)

Applicant's or agent's file reference 110/04075

IMPORTANT NOTICE

International application No. PCT/IL2004/000527

International filing date (day/month/year) 17 June 2004 (17.06.2004) Priority date (day/month/year) 17 June 2003 (17.06.2003)

Applicant

DISC ORTHOPAEDIC TECHNOLOGIES INC. et al

The International Bureau transmits herewith a copy of the international preliminary report on patentability (Chapter 1 of the Patent Cooperation Treaty)



The International Burcau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 110/04075	FOR FURTHER ACTION	See item 4 below
International application No. PCT/IL2004/000527	International filing date (day/month/year) 17 June 2004 (17.06.2004)	Priority date (day/month/year) 17 June 2003 (17.06.2003)
International Patent Classification (8th edition unless older edition indicated) See relevant Information in Form PCT/ISA/237		
Applicant DISC ORTHOPAEDIC TECHNOLOGIES INC.		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Buresu on behalf of the International Searching Authority under Rulo 44 δt i. 1(a).		
2,	This REPORT consists of a total of δ sheets, including this cover sheet.		
	In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.		
3.	This report contains indications	relating to the following items:	
	Box No. I	Basis of the report	
	Box No. II	Priority	
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	
	Box No. IV	Lack of unity of invention	
	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	
	Box No. VI	Certain documents cited	
	Box No. VII	Certain defects in the international application	
	Box No. VIII	Certain observations on the international application	
4.	The International Bureau will onot, except where the applicant date (Rule 44bis .2).	communicate this report to designated Offices in accordance with Rules 44bir.3(c) and 93bir.1 but makes an express request under Article 23(3), before the expiration of 30 months from the priority	

	Date of issuance of this report 19 December 2005 (19.12.2005)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Simin Baharlou
Facsimile No. +41 22 740 14 35	Telephone No. +41 22 338 71 30

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

rom the NTERNATIONAL SEARCH	ING AUTH	ORITY			REC'D 28 APR	2005
To: PAUL FENSTER PAUL FENSTER COMPANY, INTELLECTUAL PROPERTY 2002 LTD. P.O.B 0X 10256 PSTACH TREVA, ISRAEL 49002		WRI INTERNATIO	PCT	W!PO OF THE NG AUTHORITY	PC	
				(PCT Rule 43bis.	1)	_
			Date of mailing (day/month/year)	26 APR	2005	4
Applicant's or agent's file re	eference		FOR FURTHER	ACTION See paragraph 2 below	7	
110/04075 International application No.		International filing date	(day/month/year)	Priority date (day/ma	onth/year)	7
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IPC(7): A61F 2/44 and US Applicant	CI.: 023/17.	10				
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1. This opinion contains i	ndications re	lating to the following ite	ms:			
Box No. I	Basis of th	e opinion				
Box No. II	Priority					
Box No. III	Non-estab	lishment of opinion with a	egard to novelty, inv	entive step and industr	rial applicability	1
Box No. IV		nity of invention	•		eron on industrial	
Box No. V	Reasoned applicabili	statement under Rule 43 <i>b</i> ity; citations and explanat	is.1(a)(i) with regard ions supporting such	statement	sup or morsonar	
Box No. VI	Certain do	cuments cited				
Box No. VII		fects in the international				
Box No. VIII	Certain of	oservations on the interna	ional application		*1	
International Prelimin Authority other than that written opinions	national prel pary Examir this one to b of this intern	iminary examination is n thing Anthonity ("IPEA") e the IPEA and the chose ational Searching Authori	n IPBA has notified ity will not be so con	the International Bures sidered.	m under Rule 66.1 <i>bis (b</i>	"
If this opinion is, as IPEA a written reply mailing of Form PC1 For further options, s	y together, r/ISA/220 or	ove, considered to be a w where appropriate, with before the expiration of Tr/ISA/220.	ritten opinion of the amendments, before 72 months from the p	IPEA, the applicant is the expiration of 3 priority date, whichever	s invited to submit to the months from the date of a expires later.	ne nf
3. For further details, s						
Name and mailing address			Authorized of	icer Sharm (7)	Brun for	
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P.O. Box 1450 Alexandria, Virgi Fansimile No. (703) 305-	pia 22313-145	g _Q		. (703) 308-0858		
Form PCT/ISA/237 (cover	sheet) (Jam	sary 2004)				

International application No.
PCT/IL04/00527

	INTERNATIONAL SEARCHING ACTIONAL
Box No	n. I Basis of this opinion
1. With	regard to the language, this opinion has been established on the basis of the international application in the language in which filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language (nto the following surgicals) which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With	regard to any mucleotide and/or amino acid sequence disclosed in the international application and necessary to the cell invention, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing moder table relating thereto has been fised or familided, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Ad	ditional comments:
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International application No.
PCI/IL04/00527

1.	Вс	Box No. IV Lack of unity of invention				
paid additional fees under protest not paid additional fees not paid additional fees to pay additional fees to pay additional fees not pay additional fees to pay additional fees not requirement of unity of invention is not complied with and chose not to invite the applicant to pay additional fees. This Authority considers that the requirement of unity of invention in accordance with Rule 13.1, 13.2 and 13.3 is compiled with not complied with for the following reasons: See the lack of unity section of the international Search Report(Form PCT/ISA/210) 4. Consequently, this opinion has been established in respect of the Indiowing parts of the international application: all parts. the parts relating to claims Nos. 1,2,4-8 and 10-46	_					
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International application No. PCT/IL04/00527

Box No. V Reasoned statement under Rule applicability; citations and explan	43 bis 1(a)(i) with regard to novelty, inventive step o ations supporting such statement	r industrial
1. Statement		
No. of the AD	Claims 16, 18-20, and 45	YES
Novelty (N)	Claims 1, 2, 4-8, 10-15, 17, 21-44, and 46	NO
Inventive step (IS)	Claims 16, 19, and 45	YES
myemiye sup (15)	Claims 1, 2, 4-8, 10-15, 17, 18, 20-44, and 46	NO
Industrial applicability (IA)	Claims 1, 2, 4-8, and 10-46	YES
monstrial applications (127)	Claims NONE	NO

2. Citations and explanations:

Ctaims 1, 2, 4-8, 10-15, 17, 21-44, and 46 lack novelty under PCT Article 33(2) as being anticipated by PISHARODI (US 5,693,100). PISHARODI anticipates the claim language where the axial member as distinct is the series (42) of PISHARODI; see Pigures 6-9 and column 3, lines 40-50 and 50-50.

Regarding claim 10, the handle as claimed is the screwdriver of PISHARODI; see column 5, lines 6-9.

Regarding claim 11, the screw (42) can be unscrewed such that the claim language is considered inherently met.

Regarding claim 14, the channel as claimed is the screw thread of PISHARODI.

Regarding claim 23, the axis of rotation could be iess than full axial rotation such that the claim language would be fully met if the rotation where slight or if along a radius of the device.

Regarding claim 39, there are inherently differences in the lengths of elements (32) and (34) such that the claim lenguage is inherently met because minufacturing by machining or otherwise cannot result in exactly identical lengths for all similar elements.

Claims 18 and 20 lack as inventive stop under PCT Article 33(3) as being obvious over PISHARODI (US 5,693,100) in view of KUSLICH (US 5,695,193). PISHARODI meets the claim isagange except for the bag around the table as claimed. However, KUSLICH teached that it was known to put a bag or overing over similar exponsible into the variation for art; see Figures 19-21 and column 9, lines 10-52. Therefore, it is the Examiner's portion that it would have been obvious to put a bag or covering over the PISHARODI device for the saum creasons that KUSLICH did the same.

Claims 16, 19, and 45 meet the criteria set out in PCT Article 33(2)-(5), because the prior art does not teach or fairly suggest an axial member that extends from said tube and is adapted to function as a joint (claim 16), a biodegradable begrowering over the tube (claim 19), or a self-evapating efformer (claim 45).

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Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made:

Claims 4, 5, 28-31, 34, 35, 38, and 42 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 4, 5, 28-31, 34, 35, 38, and 42 are indefinite for the following reason(s):

Regarding claims 4 and 5, it is unclear what element of claim 1 is being modified.

Regarding claim 28, it is not understood where the axial force is coming from or being applied.

Regarding claims 29-31, the "pliable material" lacks antecedent basis.

Regarding claims 34 and 35, this claim language is not understood because the deformer must occupy 100% of the volume it takes up.

Regarding claim 38, it is not clear how axially displaced leaves can support each other based upon how the present device is disclosed.

Regarding claim 38, line 2, it is unclear why "configurations" is plural and how this language is intended to modify the base claim.

Regarding claim 42, the claim language is not understood based upon the fact that the leaves are in a tube and thus not in a flat or planar device. In other words, it is not clear now the leaves can be deformed from a plane since the tube surface is not planar.